

Hazemeter Measurement Demonstration

The hazemeter measures sun light reaching the Earth's surface. This measurement can be used to compute the magnitude of the aerosol concentration in the atmosphere during cloud-free conditions. The device should be aligned with the sun. The instrument display shows the maximum voltage, which is proportional to the maximum energy observed at the Earth's surface. Once the maximum voltage has remained stable for one minute, the button on the instrument should be pressed to save the data to the instrument. The video shows Baltimore City students learning about this measurement technique. The hazemeter instruments were provided by the U.S. Forest Service.